8

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	
To: JEFFREY M. BECKER HAYNES AND BOONE, LLP	PCT
1000 LOUISIANA SUITE 4300 HOUSTON, TX 77002	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION
	(PCT Rule 44.1)
	Date of Mailing (day/month/year) 13 JAN 2002
Applicant's or agent's file reference 25791.48.02	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US01/30256	International filing date (day/month/year) 27 September 2001 (27.09.2001)
Applicant SHELL OIL COMPANY	
The applicant is hereby notified that the international search Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim	
When? The time limit for filing such amendments is non international search report; however, for more de	mally 2 months from the date of transmittal of the etails, see the notes on the accompany sheet.
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	
For more detailed instructions, see the notes on	the accompanying sheet.
2. The applicant is hereby notified that no international search Article 17(2)(a) to that effect is transmitted herewith.	report will be established and that the declaration under
3. With regard to the protest against payment of (an) addition	nal fee(s) under Rule 40.2, the applicant is notified that:
	transmitted to the International Bureau together with the otest and the decision thereon to the designated Offices.
no decision has been made yet on the protest; the appl	licant will be notified as soon as a decision is made.
4. Further action(s): The applicant is reminded of the following:	
Shortly after 18 months from the priority date, the international applicant wishes to avoid or postpone publication, a notice priority claim, must reach the International Bureau as provided completion of the technical preparations for international public	e of withdrawal of the international application, or of the in rules 90 bis 1 and 90 bis 3, respectively, before the
Within 19 months from the priority date, a demand for internations wishes to postpone the entry into the national phase until 30 mo	al preliminary examination must be filed if the applicant nths from the priority date (in some Offices even later).
Within 20 months from the priority date, the applicant must perfor before all designated Offices which have not been elected in the priority date or could not be elected because they are not bound	demand or in a later election within 19 months from the
Name and mailing address of the ISA/US	Authorized officer
Commissioner of Patents and Trademarks	David Bagnell Diane Smith f
Box PCT	David Bagnell Diane Smith
Washington, D.C. 20231	Telephone No. (703) 308-1113

Facsimile No. (703)305-3230
Form PCT/ISA/220 (July 1998)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	
To: JEFFREY M. BECKER HAYNES AND BOONE, LLP	PCT
HAYNES AND BOONE, LLP 1000 LOUISIANA SUITE 4300 HOUSTON, TX 77002 JAN 1 4 2002	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION
MODELON, IX 17002	(PCT Rule 44.1)
Constant and the consta	Date of Mailing (day/month/year)
Applicant's or agent's file reference 25791.48.02	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US01/30256	International filing date (day/month/year) 27 September 2001 (27.09.2001)
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Name and mailing address of the ISA/US	Authorized officer
Commissioner of Patents and Trademarks Box PCT	David Bagnell Diane Smith of
Washington, D.C. 20231	T.1-1-1 (701) 209 1112

Facsimile No. (703)305-3230 Form PCT/ISA/220 (July 1998)

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PATENT COOPERATION TREATY

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From the INTERNATIONAL SEARCHING AUTHORITY	
To: JEFFREY M. BECKER HAYNES AND BOONE, LLP	PCT NOTIFICATION OF TRANSMITTAL OF
1000 LOUISIANA SUITE 4300 HOUSTON, TX 77002	THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION
10001011, 111 //002	(PCT Rule 44.1)
	Date of Mailing (day/month/year)
Applicant's or agent's file reference	
25791.48.02	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US01/30256	International filing date (day/month/year)
Applicant	27 September 2001 (27.09.2001)
SHELL OIL COMPANY	
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When? The time limit for filing such amendments is non international search report; however, for more de	nally 2 months from the date of transmittal of the stails, see the notes on the accompany sheet.
Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	
For more detailed instructions, see the notes on	the accompanying sheet.
The applicant is hereby notified that no international search Article 17(2)(a) to that effect is transmitted herewith.	. , ,
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1 — · · · · · · · · · · · · · · · · · ·	transmitted to the International Bureau together with the otest and the decision thereon to the designated Offices.
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Name and mailing address of the ISA/US	Authorized officer
Commissioner of Patents and Trademarks	
Box PCT	David Bagnell Diane Smith
Washington, D.C. 20231	1
Foreimile No. (703)305 3330	T-1

Facsimile No. (703)305-3230 Form PCT/ISA/220 (July 1998)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	Applicant's or agent's file reference 25791.48.02	FOR FURTHER ACTION		ication of Transmittal of International Search Form PCT/ISA/220) as well as, where applicable,
	International application No. PCT/US01/30256	International filing date (day/mon 27 September 2001 (27.09.2001)	th/year)	(Earliest) Priority Date (day/month/year) 02 October 2000 (02.10.2000)
	Applicant SHELL OIL COMPANY			
	This international search report has been according to Article 18. A copy is being		•	authority and is transmitted to the applicant
	This international search report consists It is also accompanied	of a total of sheets. I by a copy of each prior art docu	ment cited	1 in this report.
		he international search was carried unless otherwise indicated under		e basis of the international application in the
	Authority (Rule 23.1(b)).	and/or amino acid sequence disc		e international application furnished to this e international application, the international
	contained in the internationa	al application in written form.		
	filed together with the intern	national application in computer re	adable for	n.
	furnished subsequently to th	is Authority in written form.		
	furnished subsequently to th	is Authority in computer readable	form.	
	the statement that the subsectinternational application as		listing doe	es not go beyond the disclosure in the
	the statement that the information been furnished.	nation recorded in computer readal	ole form is	identical to the written sequence listing has
. !	2. Certain claims were found	l unsearchable (See Box I).		
	3. Unity of invention is lacking	ng (See Box II).		
	4. With regard to the title, the text is approved as subm	nitted by the applicant		
		d by this Authority to read as follo	nc.	
	Method and Apparatus for Casing Expans			
	5. With regard to the abstract,			
	the text is approved as subm	- ''		
	the text has been established within one month from the	d, according to Rule 38.2(b), by the date of mailing of this internations	is Authori I search re	ty as it appears in Box III. The applicant may, eport, submit comments to this Authority.
	6. The figure of the drawings to be pu	blished with the abstract is Figure	No. If an	d 2i
	as suggested by the application	nt.		None of the figures
	because the applicant failed	l to suggest a figure.		
	because this figure better cl	haracterizes the invention.		

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/30256

NEW ABSTRACT		
A mono-diameter wellbore(10) casing. The mono-diameter wellbore(10) casing is formed by plastically deforming and radially expanding a first tubular member(155) within a wellbore(10). A second tubular member is then plastically deformed and radially expanded in overlapping relation to the first tubular member(155). The second tubular member and the overlapping portion of the first tubular member(155) are then radially expanded again.		
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Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US01/30256

		101.0001.30230	
A. CLAS IPC(7) US CL	SSIFICATION OF SUBJECT MATTER : E21B 19/16, 23/00, 43/10		
	: 166/207, 285, 380		
	International Patent Classification (IPC) or to both nat	ional classification and IPC	
B. FIEL	DS SEARCHED		
Minimum do U.S. : 10	cumentation searched (classification system followed b 66/177.4, 206, 207, 216, 217, 242.1, 285, 378, 380	y classification symbols)	
Documentation	on searched other than minimum documentation to the	extent that such documents are included in the fields searched	
Electronic da	ta base consulted during the international search (name	of data base and, where practicable, search terms used)	
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages Relevant to claim No.	
x	US 5,348,095 A (WORRALL et al.) 20 September 1 lines 36-48. US 5,667,011 A (GILL et al.) 16 September 1997 (1	994 (20.09.94), figures 1-3; column 3, 1,3-7,13,15- 17,19,21,23- 25,27,29,31- 33,35,37,39-44,50,52- 54,56,60,62- 64,66,67,72,74- 76,78,84,86,89,91,104 ,105,109-111,113- 120,125-127,130- 132,135-137,140-151	
Further	documents are listed in the continuation of Box C.	See patent family annex.	
• s	pecial categories of cited documents:	"T" later document published after the international filing date or priority	
	t defining the general state of the art which is not considered to be that relevance	date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
-	plication or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
establish specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination	
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the art	
priority d	"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed		
Date of the a	Date of the actual completion of the international search Date of mailing of the international search report		
21 November	r 2001 (21.11.2001)	03 JAN 2002	
Name and m	ailing address of the ISA/US	Authorized officer	
Con Box	nmissioner of Patents and Trademarks PCT	David Bagnell Diane Smith	
	Washington, D.C. 20231 Facsimile No. (703)305-3230 Telephone No. (703) 308-1113		

Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/30256

ategory. *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 5,918.677A (HEAD) 06 July 1999 (06.07.99), abstract; figures 1-15.	1-8,13-45,50-
	-	84,86,89,91-
		93,104,105,109-
		121,125-151
X	US 5,901,789 A (DONNELLY et al.) 11 May 1999 (11.05.99), figure 6, claims 1-16.	1-8,13-45,50-
		84,86,89,91-
		93,104,105,109
		121,125-151
X	US 6,012,523 A (CAMPBELL et al.) 11 January 2000 (11.01.00), column 6, line 47-column	1-8,13-45,50-
	7. line 61; figures 1-8.	84,86,89,91-
		93,104,105,109
x	TIC 6 070 671 A (CUMANING and) Of The company of the company	121,125-151
^	US 6,070,671 A (CUMMING et al.) 06 June 2000 (06.06.00), figures 1-4.	1-8,13-45,50-
		84,86,89,91-
		93,104.105,109-
X	US 6,029,748 A (FORSYTH et al.) 29 February 2000 (29.02.00), abstract; claims 1-22.	121,125-151
^	00 0,025,746 A (FORS 1 LD 61 41.) 29 FEDIUARY 2000 (29.02.00), 20stract; claims 1-22.	1-8,13-45,50-
		84,86,89,91-
		93,104,105,109
х	US 6,021,850 A (WOOD et al.) 08 February 2000 (08.02.00), abstract; claims 1-20.	121,125-151
•	03 0,021,030 A (WOOD et al.) 06 February 2000 (06.02.00), 205(12ct; C12liffs 1-20.	1-8,13-45,50-
		84,86,89,91-
		93,104,105,109
x	US 6,112,818 A (CAMPBELL) 05 September 2000 (05.09.00), figure 1; claims 1-14.	121,125-151
••	65 0,112,010 // (C/Mil BEEE) 05 September 2000 (05.09.00), Itgule 1, claims 1-14.	1-8,13-45,50-
		84,86,89,91-
		93,104,105,109 121,125-151
X	US 6,085,838 A (VERCAEMER et al.) 11 July 2000 (11.07.00), figure 1-7; claims 1-12.	1-8,13-45,50-
	2000 (1.107.00), ngule 1 7, elumis 1-12.	84,86,89,91-
		93,104,105,109
A, E	US 6,315,043 B1 (FARRANT et al.) 13 November 2001 (13.11.2001), see the entire document.	121,125-151
, -	13.11.2001), see the entire document.	121,123-131
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NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty and of the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

The claims only.

The description and the drawings may only be amended during international preliminary examination under Chapter IL

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the international Duress after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/a filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by smending the text of one or more of the claims as Glod.

A replacement short must be submitted for each short of the claims which, on account of an amendment or assendances, differs from the short originally filed.

All the claims appearing on a replacement about must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confounded with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

-The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate; in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged:
- (ii) the claim is cancelled;
- (iii) the claum is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.